

WHAT IS CLAIMED ARE:

1. A bactericidal/permeability-increasing protein (BPI) deletion analog consisting of amino acid residues 10 through 193 of mature human BPI, wherein a cysteine residue at position 132 is replaced by a different amino acid.

2. The BPI deletion analog of claim 1 wherein the amino acid replacing said cysteine residue is a non-polar amino acid selected from the group consisting of alanine and serine.

3. The BPI deletion analog of claim 1 wherein the cysteine residue at position 132 is replaced by alanine.

4. A polynucleotide encoding the BPI deletion analog of claim 1.

5. A polynucleotide encoding the BPI deletion analog of claim 3.

6. The polynucleotide of claim 4 further comprising the twenty-seven amino acid leader sequence of BPI.

7. The polynucleotide of claim 4 which is a DNA.

8. An expression vector comprising the DNA according to claim 7.

9. A host cell stably transformed or transfected with the DNA of claim 7 in a manner allowing expression in said host cell of said polypeptide deletion analog.

10. A eukaryotic host cell according to claim 9.

11. The host cell of claim 10 which is a CHO cell.

12. A method for producing a BPI deletion analog polypeptide comprising growing a host cell according to claim 9 in a suitable culture medium and isolating said polypeptide from said host cell or said culture medium.

13. The polypeptide product of the method of claim 12.

14. A composition comprising the BPI deletion analog of claim 1 and a pharmaceutically-acceptable diluent, adjuvant, or carrier.

15. A composition comprising the BPI deletion analog of claim 3 and a pharmaceutically-acceptable diluent, adjuvant, or carrier.

16. A composition comprising the BPI deletion analog of claim 13 and a pharmaceutically-acceptable diluent, adjuvant, or carrier.

17. An improved method of administering a BPI protein product to a subject comprising administering the composition of claim 14 to said subject.

18. An improved method of administering a BPI protein product to a subject comprising administering the composition of claim 15 to said subject.

19. An improved method of administering a BPI protein product to a subject comprising administering the composition of claim 16 to said subject.